



Shadow 200 TUAV

Schoolhouse Training



Auto Launch



Auto Recovery

Accomplishing tomorrows training requirements today.

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AGENDA



- **CURRENT TUAV TRAINING**
- **POST IOT&E TUAV TRAINING**
- **UNIT LEVEL TRAINING**
- **SUSTAINMENT AND MUSE TRAINING**



TUAV TRAINING FY 02



- **DEEMPHASIZE PAYLOAD TRAINING (ASSUMES BASIC SKILLS FROM HUNTER)**
- **EMPHASIZE AUTO LAUNCH AND AUTO RECOVERY SYSTEMS**
- **SIMULATORS USED TO GREATLY REDUCE ACTUAL FLIGHT TIME PREP C4I SKILLS**
- **TOTAL OF 80+ OPERATORS AND 40+ MAINTAINERS TO BE TRAINED DURING THE FY**
- **EXPERIENCE USED TO DEVELOP FORMAL ARMY TRAINING COURSE**



TUAV FUTURE TRAINING



- **COMBINATION OF U.S. ARMY /DoD CIVILIANS AND CONTRACTOR/CLS TRAINERS**
- **PROVIDE INITIAL UAV SYSTEM TRAINING FOR ALL UAV OPERATORS**
- **UNIT LEVEL TRAINING TO BE COMPLETED AT GAINING COMMAND**
- **TRAIN PERSONNEL FOR APPROX 10 NEW SYSTEMS EACH YEAR THROUGH FY 05**



SCHOOLHOUSE TRAINING TOOLS



- **CLASSROOM INSTRUCTION**
- **FUTURE USE OF CBT POSSIBLE**
- **GROUND LABS W/ DEDICATED EQUIP**
- **SIMULATORS**
- **FLIGHT TRAINING**
- **MUSE TRAINING**

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MAINTENANCE TRAINING



- **TRAINS TECHNICIANS AND MECHANICS**
- **CLS INTEGRATION**
- **REMOVE AND REPLACE PHILOSOPHY**
- **SPARES SUPPORT STRATEGY**
- **LAUNCH AND RECOVERY RESPONSIBILITIES**



OPERATOR TRAINING



- **STRONG EMPHASIS ON SYSTEM SET-UP /TEAR DOWN AND SITE SURVEY**
- **AUTOMATED LAUNCH AND RECOVERY**
- **NORMAL OPERATIONS AND TM'S**
- **EMERGENCY PROCEDURES**



LAUNCH AND RECOVERY



- **AUTOMATIC SYSTEMS NEW TO U.S. ARMY OPERATORS**
- **DELETES REQUIREMENT FOR EXTERNAL PILOTS**
- **REDUCES UNIT TRAINING TIME/FLIGHT HOUR REQUIREMENTS**
- **INCREASED EMPHASIS ON SITE SELECTION AND AIRSPACE MANAGEMENT**



UNIT LEVEL TRAINING



- **BRIGRADE INTEGRATION**
- **DOCTRINE AND TACTICS**
- **UNIT LEVEL TASKS**
- **C4I TRAINING**
- **EMPLACE/DISPLACE EXERCISES**



UNIT SUSTAINMENT TRAINING



- **UNIT INSTRUCTORS**
- **CONTRACT LOGISTICS SUPPORT**
- **APART INSPECTIONS**
- **MUSE INTEGRATION**
- **MUSE TRAINING**



UNIT INITIAL TRAINING



- **COLLECTIVE TRAINING CONDUCTED ON SITE AT GAINING COMMAND**
- **FOCUS ON UNIT INTEGRATION TASKS**
- **INITIAL SUPPORT BY CONTRACTOR PERSONNEL**
- **LONG TERM CLS SUPPORT**
- **GROW IN HOUSE INSTRUCTORS**
- **USE OF MUSE SYSTEM**

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MUSE SYSTEM



- **PROVIDE ORGANIC UNIT LEVEL TRAINING**
- **SELF CONTAINED IN EACH GROUND STATION**
- **REALISTIC SYSTEM SIMULATOR FROM MISSION PLANNING TO AV RECOVERY**
- **MEETS CURRENCY REQUIREMENTS**
- **ALLOWS REALISTIC MISSION PLANNING**
- **PRE-OPERATIONAL REHEARSAL**
- **REALISTIC VIDEO IMAGERY**

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FIELD TRAINING OBJECTIVES



- Units to be trained and equipped during FY 02 include IBCT units and 4th ID
- Training at the unit will emphasize LRIP II production changes (IFF, D/L and GCS software)

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SUMMARY



- Excellent system for training personnel new to UAV
- Training is sustainable with minimal flight operations
- MUSE system facilitates system training during field deployments



QUESTIONS

